

TRAIL

ENDERBY LAND,
1965.

(FRAN, HANSEN,
FRAMNES, MOYES
-MILL, IS OFF
MAWSON).

52-1

Sample

INDEX

443 + p. 443

Page

Subject

DDT

3/2/65

Get 1.160.000 kg. for 1.160.000

1.160.000 kg.
1.160.000 kg.

4 photo for send

1.160.000 kg. for 1.160.000

Approximate weight of paper - 330 lbs
deduct weight of 7.2 kg. of paper
per envelope = 5 kg. of paper

London Royal 4000 - 35.00
5000 - 20.00

Limit of 7 hours flying time per day
includes ground time

Overland country road

From 4 class camp

separate envelope with

White letter

Send W. 1000

Send your last notes, photos

Send your box, 1000

Send your address

Minimum Survival

2

- 6 Chocolate
3 H F G
Slaps Bags
Ventile outer
Shovel
Axe
Candle
-

Take

Cont Report
(Brief Case!)

Paper

Type writer.

DIARY

Tuesday 19th JANUARY, 1965

Up 0715 + sched 0730, poor
contact, Peter Baggett returned home
possibly as result last night's charges
partly. Thought heard "5500 Z",
nothing else understood. Usual + cotype
interference. 1100 - still a good one
but still used after 1100.

Nov. 1899. Ship had arrived at
5.45 p.m. & upon returning to
called back on the white ship.
stopped to wait, quite soon.

Up 0745, Sun. road to go to
Burlington Peak, left about 2:30.

I checked, and got for food camp
equipment all morning and
afternoon, until camp to
John for R7 14 Write letters

home & film in evening

I or returned 2200. Sited
air photo & maps. Bed 2400

Thursday 21st January 1955

Rise 0715 + complete packing.

Breakfast + coffee at 0830.

Ascertained no flying because
of weather (low cloud +
25 kt wind, intermittent snow,
visibility 1-3 miles)

Discuss accommodation w. OIC.

Sort equipment brought ashore.

Found suitable accommodation
in PID enquiry for geological
office, check w. OIC

+ move in 1500 to 1730,
overhaul working facilities,
heater & set up in office.

1900-2000 Discussion w.

R. Dalton re flying program

Tentatively agreed :-

1. Helicopters to from PK
to search for landing ground
for Beavers.

2. Beaver w. Kirkby + ~~and~~ ^{Fale}
to From PK, + return empty.

3. Beaver to From PK.
w. coffee pack to From PK.
+ return empty.

4. Beaver w. Trail +
light camp to From PK.

Later

5. Carry + assist by
Beaver to From PK.

6. Kirkby + only by
Beaver to Hall's Rd.

7. (commenced) Trail taxi
by helicopter in Hansen Mts.

8. Trail return by helicopter the
possible taxi at Hall's PK.

9. All return Hansen

10. Trail + carry on short
run by helicopter in Hansen
Mts. + island near Hanson.

Later that a lot in
+ had 2200.

Camp equipment Trail

9

(from Mountain State)

1 Tent, Bels, complete w.
pegs, guys, & Aluminum
poles.

1 Mattress Lilo.

1 Spade

1 Ice Axe
1 By, gear cover
1 Stove Primus.

1 Funnell, bicycle.

2 Pkts "Esbit", solid fuel

1 Knife-fork-spoon set

1 spoon

1 tin opener, lever type

1 Alumin. Bowl, Aluminum
abt 6-pint

1 Kettle, aluminum, 3-pint

1 Bill, can, 2-pint

1 Bowl, plastic, 3-pint

- 1 K - ~~Sauerkraut~~ 5 pint
 1 ~~May~~ ~~mayon.~~
 1 Plate ~~Aluminum~~
 1 ~~Box High Top~~
 12 Box ~~Crisp~~ ~~Old~~ ~~Starch~~
 8/12 Box HFB
 18 pkts ~~blanc~~ (x4)
 1 ~~White~~ ~~cream~~
 2 ~~Time~~ Butter
 6 pkts ~~Instant~~ ~~Mashed~~ ~~White~~
 1 doz ~~Box~~ ~~rolls~~
 1 lb ~~Drink~~ ~~Hygiene~~
 1 pkts ~~Egg~~ ~~Powder~~
 Total ~~at~~ ~~shop~~ $\leftarrow \frac{1}{2}$ lb

~~Sum~~

Sugar	\leftarrow	2 lbs	} for
Oat flakes	\leftarrow	1 lb	
Salt	\leftarrow	1/2 oz	
Milk	\leftarrow	1 lb	
1 to tea			
1 to tea			

Dinner - Friday, 22nd. JANUARY, 1965 00

0745 Rise & breakfast

0830 select & prepare camping
equipment & food for From PK
trip.

1230 - 1300 Lunch

1730 Complete preparations & deliver
list of equipment borrowed to
OIC Hanson.

1830 - 2000 compose helicopter
program for Hansen Mts &
deliver to Bob Dalton. Discuss
airphotos From PK. w. Whit
Beaver & copter captains & surgeons.

2000 - 2200 Prepare geological equipment
maps & photos for
From PK venture.

~~Unsettled~~ A fine day, cloudy
in morning but 10,000 ft base,
clearing in afternoon. One Helicopter
out of order all morning. Fault
located in hydraulics at 1530,
& remedied & test flown by
1800. Then all flying crew early
to bed since all working on copters
all day. From Peak Trail
postponed til to-morrow because
Whit's unfamiliar snow landings

+ plenty of time essential.

Little advantage to geologist (on 3rd trip) in pressing for beginning this evening, since 200-mile flight involved (From + return).

Bob Dutton appeared pleased with map presentation of taxi program for three Mts. In discussion at tea,

Peter Baggott said he was disturbed at the OIC's preoccupation with tidiness & his determination to make Halverson the best station in Antarctica. Peter

said simply that he thought the best station should be the happiest station, & tidiness, discipline, & ~~restrictive rules were~~ controlled behaviour were things that should follow from happiness.

E.g. he had scrubbed out the Radio office this afternoon, & because of duty he had missed the OIC's lecture on tidiness the previous night. As a result he was very concerned that the

OIC should think he (Peter) had scrubbed his office because of the lecture, when he had scrubbed it only because he liked to see it clean ^{here} & it pleased him.

From pleasure & not from ~~fear~~
~~or~~ obedience.

I commented that if the OIC was
saying things like this, he would have
to do an awful lot to live up to
his statements. And if he didn't - finish!
- a laughing stock, on the poor
old harassed OIC.

Saturday 23rd JANUARY, 1965

Light ^{SE} winds, 4/8 cloud,
up 0730, dress, breakfast & up to
dine. Whiting & Farley off
in helicopters at 1015 - after
pre-heating & warm up beginning 0830.
Whiting to Rasmussen Doodle, Farley to Twintop
w. stores & spares for Carry.
Choppers back 1200, report near
whiteout at Twintop solid cloud
from Ethos' S to W over ice sheet,
& cloud out to sea. - Adjourn
for lunch. 1230 - 1400 assist
W. Edwards Sen. Des. Mech. w. water
run to mess - getting soaked as
usual, 1430 H. Lied made weather
reconnaissance in choppers,

advised no more flying to-day.
Helicopters then took up instruments
to calibrate riometers. ~~4~~ 1630
to 1400 - 1530 Select site
for age determination samples,
discuss drilling & explosive w. K. Watson
& W. Edwards, Des. Parks. 1600 Load
equipment on 'copter for Run Doodle
& see off 1630.

1645 - 2100 - very solid job working
concrete mixer for assisting P. Beasley,
carpenter, to lay base slab for
Dines Anemometer in new met. hut.

No tea 'til 2100 - I was critical &
disgruntled at first at ill-timed
~~vent~~ job, but caught the ~~for~~ new-
party enthusiasm after a while
& finished with a swing. About

2130 Pat Beasley fainted & fell
off his seat while having tea
so evidently he was under quite
a strain at having us working so
late, & from overwork. It's a terrible
thing that the stresses of modern existence
should invade Antarctica, but that's
what is happening. PGL was

looked very drawn & harassed when we returned from the Stillwell Hills - & even we found waiting for the Choppers something of a strain. Bob Dalton said that when he left the ship he felt as if a huge weight had been lifted from his shoulders - the weight a result of harassing tactics by all concerned w. the choppers - & so it goes.

The cook has a mesh - & is cooking for 40 men instead of 25. The OIC is bearing up well, but is a bit tense because of the chaotic state of the equipment & of the possibility of a rescue party being called out.

John McGhee slotted a D-4 last night, on the dome abt 5-6 m. S. of Rinn Doodle, after taking the NW up urgently, & while returning with a broken-down weasel on the sled.

He & Peter McClatch walked home.

Maybe I don't take things seriously enough but I DID NOT COME DOWN HERE TO GET ULCERS - & when we got back from Stillwell, I am looked as if he might be doing just that - he also was under quite a strain.

Now perhaps we will not achieve much in the way of results.

but let's not get grey hairs over it. We can only do our best geologically, if we cannot mentally bulldoze the pilots into flying, let's not harass them & do in trying too hard. Much better to co-operate & lessen this damned strain business.

Got pleasantly merry at the movie, a wacky but enjoyable Western, on the nation of 4 cans plus some plunk (rainforest) produced at supper. Bed at 0100.

~~Diary~~ 5 Flight to From PK, 24/1/65
Painted Hill - Fromas, Melanes
of a sort extend to the North
End. Only Painted Hill itself is
good red & white banded. The 'North
End' is some as 'Contact Peak'
banded but chlorokitic, yellow
brownish colour prevalent. Deformed
(wavy ~~~~~) white bands &
lenses in ch'okite. Better banded
than e.g. Herobson.

Phillips Ridge above looks like banded
melafes. N to north is chlorite.
chlorokite

Mt Ward NW corner
most impressive. Ridge

Ve. thin, steep bare-slab

sides ^{big} ~~big~~

Much ~~lower~~ than Mt Elliott

W.W. corner ^{not} metased

No metased N. of Mt Elliott

David Ra.

The NW corner of Mt Ward
present only partly occupied
by lower permanent snowfield \rightarrow glacier

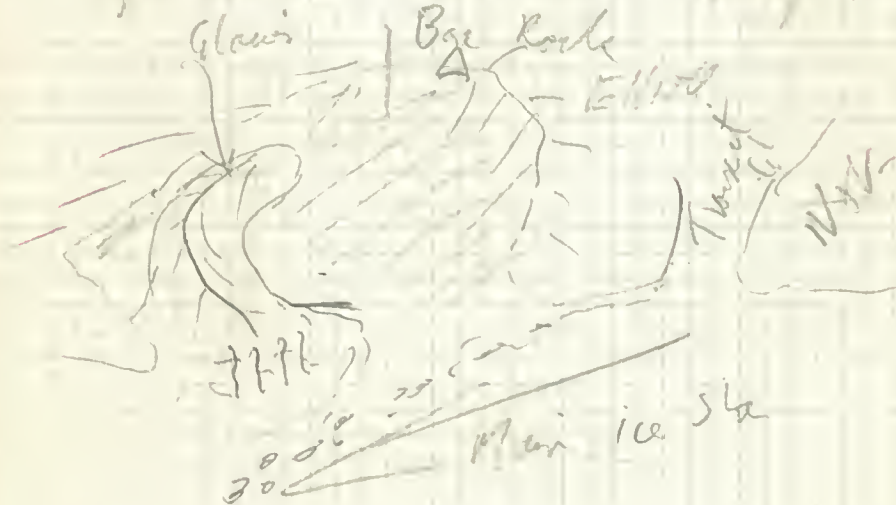
Glacier

Big Rock

Elliott

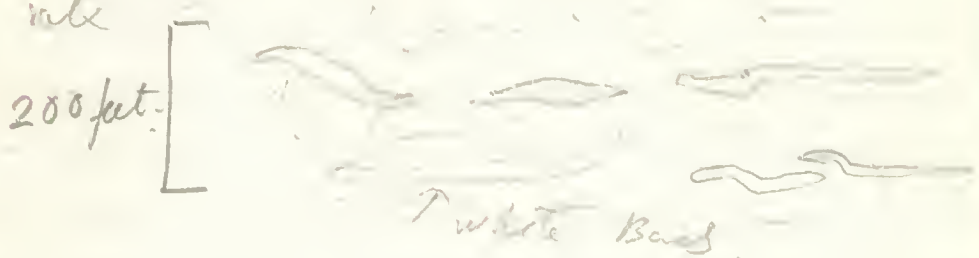
Harvey

W.W.



Rough patterns in snow on
Cooley Ra E. side long cracks
suggested by polygons

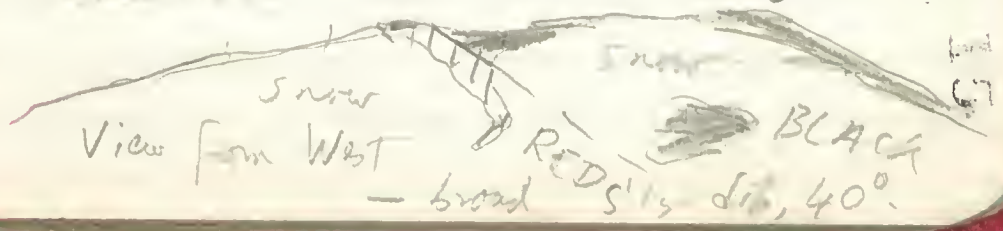
W. side, Casey Warg "pyroxenite"
 white bands appear to str. W-S.
 in reddish rather massive host
 rock



(Twintop & Brown Ridge align
 w. Casey Ra.)

N. Peak of Moys - Peace has
 massive appearance & buttressed
 sides, like clonochite of Irons. ?
 may be clonochitic green gneiss?
 of Mill Pk.

Baillieu Pk & Mill Pk
 have active glaciers in
 cirques on their W.W. sides.
~~Mill Pk~~ Baillieu Pk, has variation
 black & red rocks, NOT typical
 clonochite.



The East Hansen Mts form a
step in the surface of the
ice sheet, prob. 100 - 300 feet
high

16

East Hansen ~~has~~ ^{have one} smooth
spire - domokite style

* Mt Bonfield is similar shape

Huge ice sheet wall with
crevasses in crest, S. of
East Hansen, several hundred ft. high
Morphology of E. Hansen, reminiscent
of Sor Rondane as described
Van Huttenboer.

MTs N. of Tron peak

are red fabric banded green

w. lens + bands \Rightarrow 100' thick
1/4 horn 1' x 10' of

dark mafic green. also
say are gray-casting mafic
green, bulky, but is
thin & irregular. Half

dike. APT 100' x 2'

800 yds up cliff face
small lens biotite-garnet
rock in place, light brown
f. spec. with somewhat
concordant seg 5' thick
+ thin band m.g. iron-
stained rock with some
berry mottles still well visible (CAMP)
- The first peak climbed
had regular & thick bed
felsic gneiss 10' - 100'
dip vertical str. ~~W-S~~ E-W. No
thin N. of Fern PK
has only possibly folded
large mafic gneiss - no
continuous bands - in
red felsic gneiss - & the dip
about 45° north. Str. 150 yds/100'

DIARY 24th June 1965.

Up 5530 - gusty wind to start
& find 40 bit gust, see R Dalton
campaign no flying. Write
up diary complete pubs for
Fern PK.

1230 R. Dalton called
me, because favourable

426025

Decided (Dutton, Arden, Whiting, Kokby Trail)



1. No. 14 in after to 2200
a.c. in at 1400.
2. Almost 1st 1st
2nd Trail by Bears to Farm
PK.

1430 Depart Hudson by
chopper for Penn Twp.

Assat before Benson, Kirk,
away at 10 40.

1930 Bank of England

A. B.

Pinus strobus

Refuel, load on, measure
water + 3000. Then
leave. Take off at 2000
In good weather fly to
Lima Pk. Home Mts V.
West part of San Cordal, a
large ice wall behind, neither
- some peaks. Load at 2100
refuel + Boney take off
at 2130. Set out set up
camp at S end of range
by aptos + had delivered by
cables to a stub. He started
up to top, I had record
+ we set off to cross
range out of a trap. Up
steep snow slope, I was very
slow usually to not compromise
on on slippery snow.
Reached rock at top of long
steep snow slope. On to
are hard slabs of red banded
quartz, the easier but
rubbly steps of black quartz.
Very awkward in the track - 35 lbs

Ice and, & smooth makalaks
 slippery body on icy patches
 between slabs. Not terribly steep
 but cold & windy, sickening
 w. sun vanishing over horizon
 Syd dropped load & ran up
 to top. Reported continuous
 snowing all along at side
 of ridge. Very unwilling
 to descend reliably & icy
 slabs so along black
 band to crest of ridge
 & decide to descend gully
 on south side. Gully a honor.

I had been getting the knock
 on the slabs, so asked for
 rope for gully. Syd gave me
 120 ft down - very slow &
 very tricky, poor iced holds
 gully went. I was knocking
 on all sustained holds. &
 awkward chopping away ice

from rock below & smooth
mudstone V. slipy on ice
bed. I reported tomorrow
w. 10 ft, found large rope marks
5 ft. narrow. 5 ft. under bed
V. slipy down 100 ft. prominent
the sand layer for 20 ft, the
bedded in clay 20 ft & so we
kept going down. had to
dig a short black pit once
while going down, he had a
first time length time - saw 1st
2 ft. - & had checked 2 feet
while we were waiting for
Gunn. Finally got down
fully, took down a slow
spooling, then appeared
to be a long slow slope
down gradual down it &
found it only 100 ft.

I came down, kept on searching
& we walked off like the
poor wretched wretched
for the purpose of the North of
the valley was a tangle

of high angle wind snow.

We were so relieved to be out
of the gully, that we didn't
mind the extra distance.

22

We found small crosses + irregular
snow-filled holes in the blue ice
in the next pass. No trouble but
we roped up when we got on
to snow. Syd was going very
strongly now, but I was very tired
& I dragged along at the end of
the rope round the corner & up a
long steep snow slope to the camp.
We had a 25 kt wind & moderate
drift right in the face all up this
slope - & I didn't really see
where we were going, just one
foot in front of the other, chugging
on the end of the rope, wondering if
this would ever stop. Finally
some large lumps showed up on
the skyline, & we found the gear.

~~How~~ Syd ~~manages~~ did very well
to locate it straight away, for
he had dropped it from the
copter in a great hurry.
A great relief to drop the pack

+ stand up straight. to 0215: but
didn't mind making camp. Most
gear outside, into tent 0300, coffee
& soup, & into sack at 0430.-
very comfortable in down suit & 1
sleeping bag, though temp. prob. abt
-50 F. - tiger country after Stillwell
Hills. - (A quick trip to the tiger country)

Monday, 25th January 1945

Up 1130 - dry ride out of drift
snow & mud by 1205 but no
answer to calls. Last night I found
the altitude kept me quite breathless,
& windy, the generator this morning was
very difficult, transmission kept me
gasping & gulping for air - we are abt 2000 ft
Porridge & ~~raw~~ bloody steak for breakfast,
~~then~~ not leisurely, 25 kt wind dying
steadily. Up snow slope to rock
ridge at 1500, Syd w. batteries
tripped & another gear on park lane,
me w. Fella. meter. Contact Moruff
short way, below summit at 1600.
then set up station, just below summit
(no cairn 1st ↑) 1630. I booked
tellurometer - but first Syd

pointed out a striking bright
green pyramite - v. odd.

Syd speaking to Rod H. v.
using the tellurometer - but
could just see absolute summit
of Lillie Ra. Hope in camp.
Rod told us Bears on way
then Bears visible, circled large
& landed. Some consternation w. us
when 2 people ~~are~~ engaged, & I
stayed w. Bears took off - deduced
John Koly to replace me.

He started walking across
snow, stopped at blue ice (part
on crumpling) & to our horror,
set off, naturally enough in
last night's tracks!

We finished readings & set
off down ridge, sampled green
pyramite & down to saddle.

Syd said he would glissade down
W. side From Pk. - beautiful snow-
slope 200-300 ft - but I said
I'd go as he had appointment
w. Rod Mough for further obs.

Gorgeous glissade on hard & soft
snow, easily controlled, then
over blue ice in patches

tracks. No crampons, but had ice
picks. To find mukluks gripped
well on blue ice of all snow
brushed off sole. Set off
up snow slope leading to
col near our gully, but thought
I saw a figure ~~below~~ down on
airfield. (I also thought I saw
figures on the ridge, in the valley, &
several other places.) Decided
Foley had returned to airfield
& ~~but~~ I cut out there away
from mountain. Had to traverse
off steep blue ice slope
cutting back & forth (col above)
but found our mukluks gripping
well on surprisingly steep ice.

Gallop~~ing~~ down towards down
I looked round at ~~slope~~ snow
slope we expected last night,
& ~~asked~~ when I saw an
unmistakable figure perched
right on top. Howled, shouted,
hollered, & waved arms, &
he replied & I was ~~very~~ ^{at} ~~reluctant~~ ⁱⁿ
to see him turn & start down.

a fellow sliding down snow in front
 of him. I ran up across the
 ice & up slope toward him - I
 was feeling very fit now, & ~~at~~ a bit
 wound up. He came down to
 meet me & said - "I wish I had
 seen you 10 minutes sooner" because
 he had slipped into the bogschrend
 filled with soft snow, while trying
 to get on to the north. However
 he wasn't cross at having to come
 down again, & he gave me the news.
 Chopper supposed to come out
 with Beavers to do my taxi, then
 me home with Beavers on
 2nd trip - but one chopper
 out of action, only decided
 when Beavers airborne so John
 thought he would try to find us alone.
 Fortunately he had crampons on &
 had only 1 light kitbag, so
 long stay time, somewhat a boy
 & slow passage over ~~over~~ dome
 with crevasses south of airfield,
 which I had passed close into
 to a ridge on steep ice.
 When John was fairly altitude

+ I was already much better. Got home 2100, after Dave's supper time at 1745.

Syd. down for morning about 2230. Perhaps supper & bat, & into bed 0100.

Tuesday 26th January, 1968

ANT 79, Run 324, 9017R+3016V

Pt 443 On From PK ~~at~~ 10yds

N. of Survey Pt. The range

N. of From PK. is banded gneiss,

the felsic member is red &

commonly coarse grained dom.

feldspar, some red some white,

blotchy in detail, clear quartz,

& dk mineral unknown & not

abundant. The red member is

predominant in the bulky and

member of From PK, hence the

"granite" of Reled. The felsic

rock is well foliated by streaks

of m.g. quartz, & the

feldspar common has a xolitic

folia. v. strong, giving the rock

a flappy parting in places.

4 in. often a slab,
 thinning, which exhibits
 irregularly with the stepped
~~etc~~ mafic green.

A 150 ft zone, at the platform
 on S. end of main pk. contains
 mafic rocks interbedded w.

PHOTOS abundant red felsic material
 In places the mafic rocks
 are from abundant bands (3' x 6" typ)
 but all (sizes) surrounded by
 co. gr. red & pink to light

PT
 444

Diabase T-35

PHOTOS 10' thick
 mafic greenish
 abundant & fine
 S. end of main pk. abundant, small

T-36 (x3) ? molybdenite, ? graphite. Run platform - summit
 ridge > 50 vert. ft.

Co. gr. & Ven. gr. rocks
 prominent but not
 from main pk. Quartzite is

SAMPLE
 T-37 abundant also, white quartz
 of red weathered yellowish
 f. gr. quartz green

Red Gneiss
 Massive white hard, & flabby quartzite
 ? sheared, E. of limestone & W. of Sarnes Pt.

Pt
445

The first thick & continuous
massive green zone is
seen behind the massive
calc. circular from PK (red
rock). This massive zone is
2 ft. x 4 in. but
contains abundant bones
fossils & stones a few in. to
a few feet thick of red basic
material, f.g. to pyroclastic.

$$\begin{array}{r} p+ \\ \hline 446 \end{array}$$

SAMPLES

T-40

68280073

206

? essential small brown xls
 of ? spinel, clots of
 biotite \rightarrow 1' foot area, small
 & uncommon. clots of
 garnet, & in the lower half
 a mass ~~of~~ 20 ft. of
 of dark green & bright
 grey micaceous material
 with ~~not~~ biotite, calcite
 & magnetite. Other small
 clots like this mass occur
 elsewhere in the section.

It is represented by the map
 on labelled mineral sample.
 Only the red - grey, cr. gr.
 rock is typical.

The py & the quartz str. 165/
 70 N. E. The py ~~thrust~~ ^{thrust} westward
 but continues E.T. also the py
 str. at least 150-200 ft.
 It ~~thrusts~~ ^{thrusts} in 30 ft. bands
 only 1 of which shows the red
 & quartz, narrow to 30 ft wide
 dipping ~~very~~ ^{very} south on
 slope ~~quartz~~ ^{quartz} further south on

From ridge still contains red
fibre, greenish birds few mm to few feet
thick.

DIARY Tue. 26/1/55.

Up & alarm at 0915, sched at
0930, but no reply. Byd. fort very high
yellowish red at 1200. Along ridge
to Peak, rasty gusty wind 25-35 kts
in occasional patches of drift.

Down to main peak past survey station, cold &
wind discouraged geology, but some separate
in place. Back to survey station then
on to pyrite in saddle & dry
& search for old mine all day.

Back Peak at 1735 & home down
mountain, wind & drift now sharp
stronger 35-40? Down to tent
& begin to dig out door when
Bear sighted. He made 1 circuit
& headed home again. Spent time
to contact on radio, but nothing.
Into tent 1900.

D

1

COO
PERRY

Thurs. 2 Oct 1965

8016 V / ANT 79 / RUN 324

Outcrop PK NE (ST)
of airfield & wing:

PT
447

Kinky & curly.

Sample of red, black
for slab, chocolate & white
bands forming banded pattern
has in proper

Red - 74 / Chocolate - 30 / white
or white, point being

SAMPLE
T
41

rock as black, chocolate
put, cat action, red
black in place.

65280074

T-42
T-43

Red bands mostly 5' - 20'
some 1' some 100'

Black bands mostly 1' - 20'

T-44

6580075

V. rarely 100', 4, may
< 1' to 20'

white band 3'

Some bands of black band

impure - 150' x 20'

32

The morning previous
the weather was
I was sleep to
helped. I had red &
very chocolate brown. The
feet were, are very much
white, dark brown -
but the feet were
black red, & the soles
of the feet were
of a yellowish white
of a yellowish white
of a yellowish white
of a yellowish white

The feet were
of a yellowish white
of a yellowish white
of a yellowish white
of a yellowish white

The feet were
of a yellowish white
of a yellowish white
of a yellowish white
of a yellowish white

Pyralis... (V. G. G.)
of a yellowish white
of a yellowish white
of a yellowish white
of a yellowish white

Chocolate bars are only
with 1/2

34-1/2: 12, 11 - red bar

I - chocolate

5 - white

10 - white

only the bar in
present part - showing
one specific ch. in P.

Dip 70° NW Twp.

Compton and others

plac. for in light

stratification

West side N. ridge sudden
cut-out of chocolate bars
in massive red bars

choc. as abundant

V. thick red bars

are massive

see below

RD
300'

Choc.

Altitude - approx from 4,900.

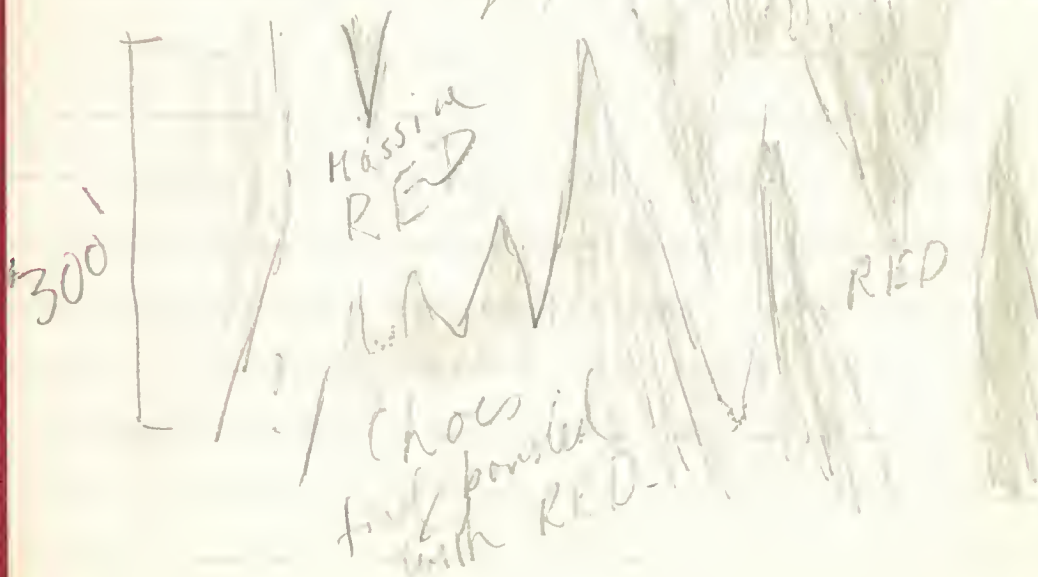
- More transverse white
beds \rightarrow at 3 \rightarrow 5' thick

on outlying peak sampled above.

odd low small with N. of main Fran
ridge - bedded same as main.

No buttoned ground on Fran,
all on flat w. ^{fine} rubble on main ridge
& no obvious evidence of
accumulations now except on ice
between peaks.

Very large small round type slabs
on Fran N. ridge, H. F. F. F.



Hansen SEE 1:100,000 maps for Structures

7110L / ANT 79 / Rm 325

Pt 448 a white band 20' \rightarrow 40' w

hindered by passive folding, plunge

on 13 in Str. S. SE / 70° SW

~~Pt 451 No photo. Shd. be 8115-8116 (not 1115)~~

2 Rock if banded green w. mag. ^{Photo 8116V}

4 white bands, few dark ones —

3 v. like from Pt.

3 — photo 8112V, Pt 449.

3 is intensely crystalline in
refraction of white & dark
bands. This is partly apparent
& is seen on a dip slope.

The white bands are markedly
transgressive & also appear
to be intensely deformed in passive style.

Block 5' most north of 2
& other red rocks all have

red white bands \rightarrow 50', sq

70% red : 30% blue white

3 Loss gradations in bands

White - red - chocolate
is effectively vertical w intense
mineral fold.

2 has prominent fold plane
in str. & prom. lineation
in dip to SSW at 70° - 80° .

pt
450
photo
71106

Landing pt. IV of #1
qtz v. folly, intense laminar
foliation of stripes of biotite,
garnet, pyrox in red &
white felsic rocks. Folly
gneiss for evidence in
red, white country well
defined but also grad into red

T-45 (K) - 65260076 White qtz (metab. min.) m.g.
& garnet 2 f.g.

T-46 L 65270077 Red (dark brown inside)

T-47 M 65280076 black - B-G-F. Red G, no gr.
- P-B-F. 2 f.g.

Few & disrupted
black rocks only here. No

continuous band. V. like type G lines

Str. 140° M / Vertical

& 1, 2, 3 effectively vertical - 2 f.g.

On large scale also, black & chocolate

rock on Urcantway, 1000
or blobs $\rightarrow 15' \times 5'$.

83
83

~~Mt. 44~~

Exposed Horn all red & white
hilly gneiss with 1/2 vertical.
white massive beds as above.

West. Hansen Mts.

4 8085 V

~~? Massive on shaded side~~

pt massive red, slaty

452 v. further white base. st. about 15/

40° West (rather like Campbell Hd).

1 thick transverse pegmatite

~~8078~~ dyke on main log. 1/2

~~453~~ ~~"Massive" red as above.~~

5 massive gneiss, v. base flat

8078 Sample East coop.

pt The massive rocks in part
453 are v. well fluted. hilly

gneiss with red brown staining &

dark spots in a repetitive relationship.

EDT - 2/2/00

1. v. con. y. brown, granular
material. i.e. nephritic
fibre & mass of the grey carbon
body. Very smooth.

Full - v. very slightly pink
Recond style with fine
in detail & fine in up

4 L, a v. strong brownish
reddish in up. 8 Str. 85° W/
60° S.

? lime stone?
- folia by 2-5mm strong Fals.

Pt.
454

65280/56 1st yr, m.g. ? Q-CP-Fw. opaques
comm. samples T-48 - yellow
65280074 T-50 - B-Q-F w opaques. Cr1 gr.
nephritic. fd. by qtz string, & dk min " = 5x15mm.

Pt 455

5 West has a corner, little & body
(the 'scent. red massive) str E-W T.
Now a fine folia?

Photo
8074V
Pt
456

Mt. P. field, N. side. In thick
white beds, partly disintegrated &
partly interfolded in recent style
w. mainly clay-like, grey, &
red well-banded masses.

at WSW / 80 N.
Thick white bed = 20' & grey beds
sim. as semi-disintegrated & passively folded

NO PHOTO. 1 1/2 m SSE. & 500m
Barfield

6. Lm. calcareous white band, —

Massive red band white

stake" to dragate rocks in
ground. style plate in it

From PK. Brandy contact

ANT 37/RUN 13.

Photo 9087R & light grey & dark red-brown

Pt 457 finely banded rocks interbedded
in ~~contact~~ almost entire fold.

Dom. strike along ridge →

NE Barfield. Dip varies.

8 Red & grey rocks complex

Photo 8084V

Pt 458 saggony band → 5' thick.

9087B.

SAMPLER Point at South - West end 7.

Pt

459 The light grey rocks are

SAMPLER green + light blue

T51

& T-49

100' band - v. fine grained
+ 1/2 - 2" - 1"

65280080

D-F & D- Calcite band?
Quartz possible in some & 2 spiral. P.P. &

f.g.

plung 100 fathoms by 150 M.

the f. A. ...

the ...

the ...

the ...

the ...

3 inch stick (at reef)
further - not a v. common
yellow sand

SAMPLE

52

0157

the ...

the ...

the ...

the ...

the ...

the ...

the ...

the ...

the ...

the ...

Poor salinity
by baric felsic
→ 9 1/2"
some m. of

G-13-Q-F,

→ 4 fathoms

100 fms

Very dry small amount
 falling in the middle of night
 but not much in the
 morning - no rain at all.

The str. of water is
 quite 2-3 ft. considerably.

It is a continuation. No. 1000

Barometer 29.5 in. at 6:00

The light grey in section
 continues about 30' or 35'
 of the lake bed. The

morning frost shows that
 the water is about 4
 inches deep.

DIARY WRD 27th Jan., 1965

No reply to 0645, 0900 & 1200
 sched. 25 Kt wind 6/8 cloud
 in morning. Kirkby & Foley
 up hill in afternoon for tellurometer
 work. I stayed in tent all day.

on account of weather, clearing up,
studying, ready to start. Feeling
really 'Dr Zhivago' - K & F
back at 1800 pm - prolonged dinner
& bed at 2200

Dinner Thursday 28th Jan.

No answer to 0645 sled
0900 Beaver flew over & turned for
airfield. Syd hurriedly loaded up &
left, & I followed abt 2 hours later.
Considerably cloudy & 20kt wind, ground
lift so raised no deposits.
Sampled peak east of airfield, &
saw Beaver leave 1 hour. Down
to meet Max Corry, trot back
to field for ration pack, then
back with Max to camp, report
for reserves etc & the. John
Whitty clearly doing a marvellous job
with the Beavers, but 'captains
sally' lacking.

Coffee & biscuits w. John & Max
abt 1430 when hard 'captains
approaching. Max picked me
up (necessary to hold on to
captains on snow slope, &

it slides away before the
power is cut.) Refuel at
airfield, then topi. things east
to west w. 3 landings only
~~one~~ on easy site because of
wind. Back to camp, Torben
Hetherston almost out of fuel 99 runs
instead of 80. The 'coppers return
empty to Dawson abt 1830.

44
44
Abt 1930 Bear craned, coming
in from back, & landed for
landing field. Figuring that he
may have heard on radio I was
ready to come home, I packed
my gear in a flash - 50 lbs!
(fortunately choppers had taken some
specimens that afternoon) - &
rocketed up hill, hauled to
summit, glissaded down peak
w. geological hammer, (shot of
Scotland & my youth) & galloped
over ice with following winds
only, full on, or a big

lump of ice. A bit worried about
crossing because of rain, so the
load, but stuck to tracks. Wound
& halloed to get. Whiter, & when
I got to him, he told me he had
barely enough fuel to get back, but
had been instructed to push me
up. He had 25 gal & estimated
25 for 1 hour for 100 miles home.

Flew clear of cloud, fortunately,
saw 30 miles from Fram. No incident
to him. Dull. Picked up by heliops at
2100 & cash comp 2230

The Horns Mountains are
composed of finely bedded greens
which with a pattern of
serrated-style or isoclinal style
basine fold throughout. On
some mountains, thick bands of
white, quartz-rich rock cut
these deformed greens, & some further
a coarse & some in places
marked by different foliation.

The style of deformation seen
in the frilly greens ^{very} - May
of them in diagenetic relationship.

with yellow brown pyramidal.
From a distance, the full
glance appears massive, but
fracture is much more slightly
fractured than the banded gneiss.
But the white ~~and~~ bands or
some irregularly give the
a superficial resemblance to
the banded gneiss - though the
is unlike any others.

One diabase - felspar rock w. thin
bands of g. khaki rock, may
be a metamorphosed limestone.

It has a very irregular folding
about kninkly & semi-cloth
with thin bands. Looks like
a low-grade rock from the air.

In Mass. - Mill PK. Page 1, one
to stop at in log on 2nd
from west. ~~In Mass. - Mill PK. Page 1, one~~

Open water for station up
(See page)

From body in thin part of
to W. end of I.

Otherwise said a lake, for the
now with some large pools
(1 mile - 2 miles), about 1/2
dip. I left I as the I
is from the shore. Part of it
is now for broken into back
of water.

Friday 29th January 1900

FRAMINGHAM 11th S.

11th Framingham strike of rare white
& red bands along length
dip steep East or West.

Panted Hill is very pale in color, as
grasses to West, - not clay, banded &
not dark. Contains a few dark lines
& bands but < 10%

11th Framingham is almost blue better,
6, more or less ill defined, probably
spaced for great pattern
where 10th (i.e. in corrie
hollows) S. of R.D. Some cross-
slope stripes in corrie 11th of West.

V. large isologous strongly
almost rectangular, at
S. end W. Masson, on
marble blanket.

48

AWT 76
R. 306

Ferguson PK is massive chert -
w ^{a few} thin bedded whitish bands
~~or less~~ less.

9061R

Px
460

Phillips Ridge metamorphosed dip
under clonochite of Ferguson PK.
Boundary at W. end Phillips?
UPhillips well bedded but
w. darker bands more common
than Painted Hill, sep. by
whitish & lt. grey streaky
band \Rightarrow 20 - 50' both

Host lt. grey gen. thinner for
dark brown & reddish brown
bands. No bedding or tubular.

Phillips Limestone N. end S. end \Rightarrow 30' N. end
at no other locality.

A few whitish bands in ch'cite at
Harrison variable whitish bands
in ch'cite w. dark brown green at
Phillips. At Harrison & Jones
dip NEward at alt 50°.

At Coates m'son pale like
Printed hill exactly, even to faint
dark band. Str. ~~about~~ N-S //
Dip, dip problematical - see
photos. Some a little flat,
some a little tilted, ~~some~~
as Gap Mt - ~~the~~ it is much
various.

Flat tops start suddenly at
Twin top. Some of Brown Ka
is flat, some pkts. Some of
Harrison very flat, but no
others. Bypass is partly ~~rounded~~
rounded.

9074R PRICE & V. HULSS ALL CHALKY WHITE

Sample pt at PRICE in

461 massive m. gr. + co. gr.

1 | ch'cite w. few large flints

53 | xite w. no large orient, +

similar rock ch'cite dark men. no
large orient. Absolutely massive.

4 remarkably well-jointed.

Pass to Van Housen road
upward massive, all carbon,
ch'chite. Strongly E-W, vertical
foliation on rock, but prob.
jointing.

Mylonite band on V. Housen slope
SSW at east 30° .

1260 is ch'chite & is NE of road
both jointed // elongation

No foliation visible. No beds, are
horizontal.

SPRINT 1260 S. neighbor Chomokun
dark brown w. ...
484 + brown. whitish f'spr. ~~Dark to~~
1/2 on weathered face. ...
462 on ... No
clear foliation in rock. V. fine &
small ...
But strong, shabby, jointing
54 spread ... 3' ... str
300M / vertical.
Strongly ... 1260 S.

7080L
124
163
48

Look all around at South.
Characteristic marks are as follows:
By 11:30 am about 300 ft +
→ 20 ft. mark. E.g. in some
places, white sand appears 2' x 5';
11:50 am. Below 100 ft. E.g. in some
places, white sand appears 2' x 5'.
Below 100 ft. E.g. in some
places, white sand appears 2' x 5'.
at 100 ft. mark, (white sand),
not recognized.

X
65
1
56

Sta. 600M / 60NW.
Thin, light sand, white
low. 1' 100 ft. mark, white
- 4' 100 ft. mark, white
low, vague pattern of
contour strips, white
snow. Field station
at 100 ft. mark. Boulder white
fine, white. A v. fine +
white, granular fine sand
white, fine sand area +
white small like granular
at top like 1/2" sand white
Dune. at 2' - 4'. (fine centres)
Playa. 6" - 1'. The fine centres are

Common, meeting in a. p. y.
Scapular in pairs, as 1100
back & legs
Walker Fat Weighing

1. V. fine, joint, deeply wrinkled
character. joint str. NE / SE
but no follow. seen.
2. (V.) Massive character, possible
some follow str. in elongation (NE)
and slightly joint character.

McNAIR NUNATANG

Massive red brown (very rare)
character. Poor joint follow in
2 joint positions, but rather soft.
Not even strong jointing.

FILSON NW

Str. in elongation of wind scar
by thick black lens. 20' x 30'
Otherwise massive red-brown
character. To wind scar str. NW
T. 4 The top of the black mass on
is not vertical. on
in

WAKEFORD N7X

465

T

58

I // defined *Elaphoglossum*, *by*
along. f' spec. plants (common)
4 by this 2mm. *spec.*
1. *Leontodon*. The *Leontodon* *is*
is *intensely* *small* *in* *places*
Slight *Cobalt* *stone* (3mm
balls) for 4-5th.

Feb. 1942 Oct 30 - 60 17.
8/12 30 - 50 NW

Matrix 6 cm. by 45 cm. by
100 ft. by 10 ft.

SAMPLE
at North end

Phillips 0177
in on 100 D.M.R.
no work!

DIARY Friday 29th June, 1965.

Alt 2330 28th PGL arrived in
copter from ship. Learned plan
to call in survivors.

Up 0745, fresh 30 kts wind. 0930
PGL spoke Kwiksy, survivors,
given another sig. Submitted
flight plan for Fromms in morning,
then to 1400 modified cat-deer
sig sketch for free drop to From PK
camp. Flying postponed by
forecast severe local turbulence in mountains
at 1200. 1600 wind calm at
Nansen, quieter in upper air. Took
off 1700 to find Fromms.

Too turbulent for landing at Phillips
Ridge (though calm down still) afternoon
at Nansen, couldn't write in book,
'copter dropping, shaking, jumping
& lurching around. Somewhat apprehensive
first time I've felt it's a long way.

way down" from the kerosene dome ⁵⁵
Ranch to Mt Cook, no landing
Landed at Price + 1260, bitterly
cold fresh S'ly blow, 15 kts
then landed on top of Anniversary,
a gently rounded top. Freezing
20 kts wind. On to McNair,
Bilsson, etc. wind dying
+ cloud coming up with evening,
then to Dawson arriv 2030.
Dinner from Dick Roubice. Pack
equipment in crates, carry to
Duker Pt. Out to ship 2205,
pack gear into hold + cabin,
complete at 2300.

The ship brought one life dog
80/63 lbs. He's only 9 months old,
+ one female w. 5 pups only
a few weeks old, all good
lookers. The new dog has fairly
stained up Orkney, the female at

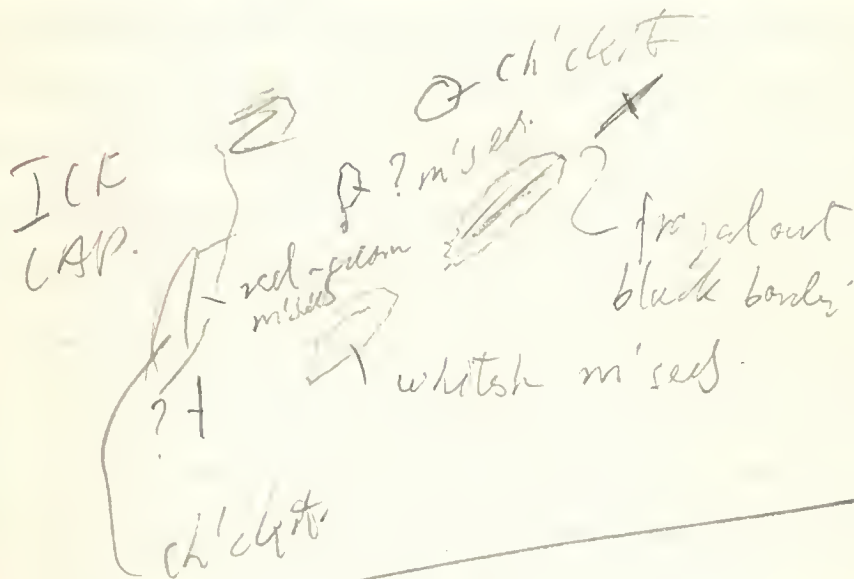
big old the time. Low on his
side, in quite the staid old
gentleman, I don't pay any
attention to him.

SATURDAY 30th JAN, 1965

1st PL 466 1st sample T-59

Departure Rocks

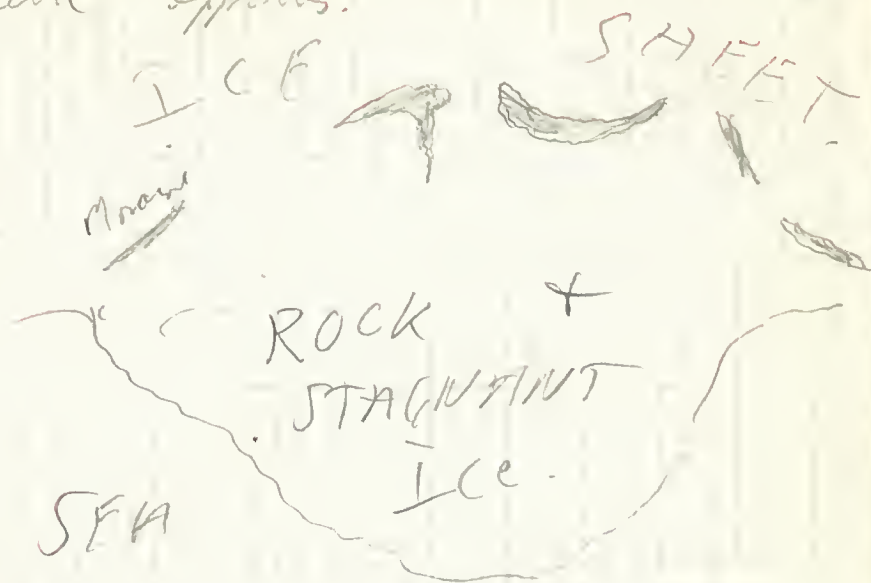
Whitish, stuff more finely jointed than ch'cl't.



peg like
on W. arm
of Lee IS.

Shore moraine at Ritz Path
almost embayed stagnant ice
cranal exposures.

57
20



Strong N-S (T) trend

throughout Rookery Is

Exposed on pair close to coast
swing abt SSE. Colours v.
deep blue a.c. guano.

? Check II, ? dike in
S.E. corner Forbes Glacier Tongue.
strong N-S elongation.

Some light grey band sh.
in elongation. Effectively VERT

Fair banding all along exposure.

poss. not chert, but almost
cert. Hypersolite rock. No quartz
deposited from v. dark grey chert
colour (today) & from banded
bluffs of weathering pattern.

Chert III. Casey str.
in elongation of No. App. dip.

40-70° E on W side
by white bands low down
 $\frac{1}{3}$ from S end of main ridge.

466-734

MOVES PK ANT 76 / R 308 / 8184 V.

Pt
466

massive dk. rd-brown, finely
jointed

Chromolite pinkish yellow brown
fine-grained, non-porph. well
but faintly foliated by aggregates
dark mineral & aggs of Fe-rich
material, varying from 2" x $\frac{1}{4}$ "
to 1' x 3" in rounded

shapes (folds play in dip). (elongation
Foltn. str. 750 M / 40° S. (str. & Uth))

P. - O - F rocks w. biotite
locally abundant in lens.

Straggly irregular patches of
discordant pyroxenite w. biotite & feldspar

→ 1' thick
Sample T-59 the ch'chille

60

PEARCE PK. 8181V

Pt
467

(Slight dip to
darker colour at W. end
Mages, roughly 1/2 alternating
weathering, pointing some
may be shaded:

South #. end Pearce. Str 55° N / 60° E.
much as above, poor weathered garnets
are less, streaky foliation even
better defined by dk min.

cones as thin bars (5' x 9")
of by lens pyramitic F-rich
alk 4' x 1'.

P-Q-F. dark red-brown
to dark grey dep. on sunlight.

T-60. 65280082.

Pearce N. neighbor (100,000 m. by) 8178V

Pt 468 AS above w. shipp thin

semi-concord strike-slip? top? ?
show narrow folter
in elongation (N-S) of ntw. 4
Pord.

The satellite Photo 7174C

Pt 468 ^{South} ~~N. end~~ ^{high} Mid reddish
 grey $Q - ? B - P. - Q - F$ grains,
 med gr. texture & weather
 like ch'ckts above, but more
 fine por, finer gr., garnet essential
 & abundant of 'crs gr. &
 v. crs. gr. concordant perthite
 bodies typ $1' \times 4'$, in
 locally migmatitic realm.
 w. m. gr. gneiss best
 Much of the Satellite is dark red,
 brown like the gneissic ch'ckts
 of Rene, but contain indistinct
 ill-defined bands ~~perthite~~
 or lenses, ser. feet thick, rich
 in f's por & garnet. Str 65M/60SE.
 T - 61. 65280083

Satellite S. neighbor
mac like Pence. Low pig. dark
red-brown roots str. abt SSWT.

- could be shale sandy.

Mill Pt.

62

~~Str. SW T~~ eff. var.
shaded of fcltn comm. dark,
rock sh red brown, fairly uniform.

a few light

Str. E-W T / 50 W.

- a striking resemblance in
blacks to some of the red
bands only in the From

Pk range. - w. small lens
fossil - out black rock

10' x 2' max.

Photo

Z169L

Mill 10 W. red brown

Pt 469

(100,000 Mof.)

SW 65 M / 70 S.

T-62. Thick white bands ($\approx 10'$)
(1 mass) in crs gr dark
red rock - rather massive
but foliated by growth

of Strigens of the name.
B-P-Q-F. F white
weathers brick red. Biot
granites appear to give common
foliation. Black elements 11
foliation, common. Also mylonite
3" x 1'. Some yellowish to iron-
stained zone, \rightarrow 4' x 1'
Striking resemblance to From
PK, main mass.

T-62. the red country rock
There is a ~~grad.~~ semi-gradational
change from the chlorite w. Ebon tuff
brown feldspar to these rocks
at Mill NW neighbor w. white
feldspar & red feldspar on weather
surface. The fresh rock is dark,
again like From PK.

The white bands are few 3, or 4,
& confined to a small inaccessible part
of exposure. They are quite
concord & continuous - like
East Hansen rather than like
From, but on smaller scale
here, & less common.

Baillieu pk.

Bluff 70 yds West of camp
for comparison is even-grained

P-Q-F rock well foliated
by stringers & aggs dk. min.

It is an even-grained, m.g.
gneissic chlorite like Naves +

Pearce, w. thin ($\rightarrow 6''$ ~~thick~~)

lenses & bands concord pegmatitic
material (F-rich w. v. co.
pyrox locally). The rock brown
is yellow-brown to dark grey.

= a straight-out but gneissic
chlorite but w. finer grain
than usual (it's m.g.).



Baillieu has a thin mantle of
moraine w. abundant white erratics.
(Are the white rocks the most common
erratics because they are unlike the
country rocks, or because they are
resistant to crushing? They are
typically garnet - quartzite or
some f. sp. or.

On when light. was used because for
high up shows no variation. DR. red
- brown slabs only.

The erosional platform is on
old ice base bed - i.e.
the ice on the grounding line level
& has been plumed flat but
bumpy by ice. Only way
this could be achieved, thin or
it could be a possible modification
by ice action on the
grounding line.

There are many submerged boulders
at present. They are
about 0 - 40'.

SUNDAY 31ST JANUARY, 1965

Samples packed for AMDL
(duplicates kept or similar kept)
T- 40 (Inst. , From PK).
T- 42 (Red band , airfield rth. , From)
T- 44 (Black " , " " " / )
T- 45 (White band , eastern Horseshoe Mts. )
T- 46 (Red frilly gneiss " " ")

T-47 Dark brown lens, E. Hensen Mts.

T-50 DK brown "pyrrhotite" W.

Hensen Mts., magnetitic relict
w/ T-48. T-50 is closely
similar to T-52

T-51 Druse-like - bluish green horn-w.

Horseshoe. Interbedded w. T-52
very similar to T-48.

T-57 Charnockite from Walker Mts,
Framnes Mts.

T-60 Charnockite, gneissic, from
Pearl PK. (? Biotite abundant)

T-61 G-P-Q-R rock, gneissic
w/ pink bands G²-F¹ pyrrhotite
from The Satellite.

Entrance Island.

The pyrrhotite body is made
up of nodules of pyrrhotite,
black flaky, & v. cr. gr. w. thin
(2-5mm) irregular veins of
chalcopyrite & rare flakes magnetite

The nodules range from 3' x 1'
to 6" x 3" & smaller &
lie in a ~~slur~~ zone of
sheared domokite 12' x 3' to 1.5'
Some of the interstitial sheared
domokite is impregnated w,
v.f.g. sulphate → ^{shannuleit}
1-63 ^{adj. to shear} nodule &
sheared ch'ch'ite. Also ^{bulk sample from}
~~massive~~ large nodule.

Sr. 550M / Vert. Concord
w. foliation by f.g. inclusion
→ 4' x 1', in, coarse, rock,
porph. ch'ch'ite.

In the slur, the old nodules
weather to a sandy clay, ~~shale~~
yellow-brown, in contrast to the
sand derived from the surrounding ch'ch'ite.

DIARY SATURDAY 30TH JANUARY, 1965

Up 0745, breakfast 0800 & down to hold
to sort samples. all morning & afternoon
to 1400. Repair field equipment, ashore
in Dukwa at 1445 & assist loading
helicopters for Renn Doodle. Deliver items
handed to OIC Hanson. Board helicopter

and take off abt 1615.

Fly to Mays Peak, land & walk down slippery snow slope, abt $\frac{1}{4}$ mile to sample W. end.

Land S. end Pearl PK & sample, land S. end The Satellite & sample. Fly

Light to mod SEly wind, warm & calm in shelter at Mays. Fly to Mill PK., very turbulent, no possible landing, but circle then land small exposure abt 1-2 m. to N.W. - close resemblance E Horseshoe. On to

Boillieu PK & land Surgeon camp shortly after 1800. Found Rod out of contact because bottom flat (lost 2 lgs), no longer fuel. Ted & I v. pleased to be going home since he has been here nearly 3 weeks. - a, it's a cold, bleak windy spot. Tent is so low, snow drifts on flaps had turned to ice.

Take w Ted & I & some gear back to Dawson, leaving Rod to log out ~~equipment~~ tent & gear from Top of Mt. He left ascent of Boillieu PK.

Back at house, join Jim Dick Kitchen,
1300, my mother-in-law w. help in
Bob L., Pete, Bennett, Dick & others?

Saw last reel of *Budlong*, more
sentimental association, having seen it so
often. Bears got in ice at 10am, the
wind 3 hours. Back to ship at 2400.

SUNDAY 31ST JANUARY, 1955.

Up 0745, breakfast, & down to hold
to complete sorting & packing samples,
& number samples & photo points
for last week's work.

Aft. lunch (1300) to Entrance I.
w. Hcl. PJC, QW, mate & ~~Bryant~~.
& later taken to sample pyroclastic
nodules in a 12' slen in d'cite.

Jon took ~~re~~ pelacmay & age
det. samples. Back to ship at 1500.

I contd. work to complete dressing
up caravan, photograph dogs, then
back to ship 1600. Clear away
samples to 1700, then fill up
w. gear - dinner & straight to
bed to sleep for 13 hours. - Fat
class.

1/2/65

Aerial Inspect Islands.

~~Arros~~ + Podium + Wost

chickite

Arros Gp. All chickite, as
vtr. foltn.

V. Hattessen Gp.

All chickite, faint
foltn str. N - NE True
- sed (chickite).

①. I. few m. NW of Azimuth.

① of drapa

Chamodite foltd str. 90°m
/eff Vert. crs. gr. even-grained
w essential garnet. few
vague feldspar phenos - 10% da
in outlin. Ockmies 10% gr.
uniform. Foltn. w v. crs.

gr. stripes, + bands of G-Q-F
material w. prominent blue quartz
T-64, (3' x 6" typ.)
? WIGG I - low raised beach, W. of
S. side, 10'
- ② & S. neighbour.

White band & lens at
S. end str. in elongation of
island. Effect. vert. zigzag pattern | W
in place in fact, (4 or 5 oz.
prob 10' x 1' lt. gr & white
prob G-Q-F?

~~MACDONALD~~ neighbours are massive
Charnochia w. indications folia
in elongation of islands roughly
W-S.

V small skerry 2m N. W. of M.
neighbours is massive ch'dk,
boss folia ENE. This is West
Macdonald I. Central Macdonald I
visited in '61? East Macdonald
I. is landing ②. (East group of)
The ^{largest} ~~Westernmost~~ Island of the ~~WILLIAMS~~ ^{ROCKS}
~~East Macdonald Is.~~ ~~WILLIAMS~~ ^{ROCKS}
Charnochia, massive, mid yellow brown

crs gr. to v. crs gr.

biotite - garnet - ? pyroxene -

quartz - feldspar (fine)

biotite is rare + small, garnet essential > 5% rock evenly distributed, possibly a. or. pyroxene.

Feldspar may feldspar plagioclase, but they are poorly shaped, rounded, lens like.

A poor foliation outlined by pref. orient some feldspar +

of the m. g. lens of pyroxene

G₂ & F 2" x 8". // Str 90°/off

SAMPLER T-65. 00163

All "Macdonald Is" aff. massive charnockite.

NILSON —
WILLIAMS Rock W. 100°.

A light brown-grey to whitish G - Q - F rock with the texture of crs. gr. charnockite, but with v. little pyroxene, poss. rare biotite.

Feldspar, "plagioclase" as a result
but they are little more than v. cr.
gr. feldspar & are not prominent.

The more felsic rock is dominant
the G-Q-F rock also, but
it contains a great many lenses

1" - 4" — 5' x 1', of &
some irregular (sub-circular) blobs
of both more felsic & more
mafic rocks, & of f. q. rock
of same comp. to some extent.

These lenses str. 075° left Vert.

The dark min. in the basic lenses
is prob. pyroxene. Gen. f. q.

A few small lenses (mostly brown)
garnet? 80% garnet

SAMPLE T-66. 65280064

-The fresh rocks above are much
darker than the weathered rock which
is light grey.

STANWELL ROCKS.

Chamodite Dark yellow brownish
grey. V. cr. - gr. feldspar, plagioclase
intergrown to form bulk of
rocks, w. interstitial garnet

+ quartz - m. gr. to co. gr. -
in small clumps. Possibly fine
pyroxene grains a w. garnet
clumps. The rock is
massive, but contains well defined
straight veins of yellow &
blue mottled Q-F pyroxene
which strikes within variation
of vague foliation 30-80°
The pyroxene is 50' long x 6"
thick. Effectively vertical.

SAMPLE T-67.

Rocks 1 m N. ^{E.} Summit.

All ~~eff.~~ medium clastic, very
very small, sandy break surface
no discernible foliation.

Victor Smith Park

character light to med yellow-
-brown, med. gr to co.
gr. w. a few poorly shaped
feldspar xls → 30 mm x 5.

Q - Pl halo - Q - F rock

W. much more pyroxene than rocks
earlier to - etc. ~~with~~ Fair foliation
by ill defined, but fairly large stringers
of pyrox rich rock, typ $4" \times \frac{1}{2}"$
Garnet gen a.w. pyrox. The
pyrox rich stringers may be lenses
 $3' \times 6"$ - all have consid quantities
Q & F. Foltn str 65M,
eff Vert.

Sample T-68.

Garnet "essential", but small
& ~~of minor~~ ~~in~~ only abt 1-2%.

Island to that is clearly chlorite.
Others near Smith rocks.

Canopus str. in elongation, eff. vertical.

Kluay " " " " " " " " " " " "

Watch 4 Is Smith, etc etc

Str. Swing to SW into Watch, Petersen;

Tejano. Including NOT

by any means the same island.

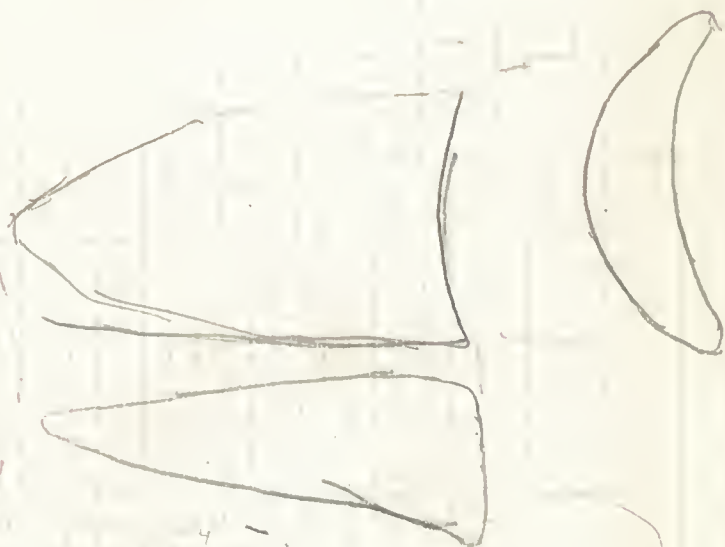
High pattern str diff from others.

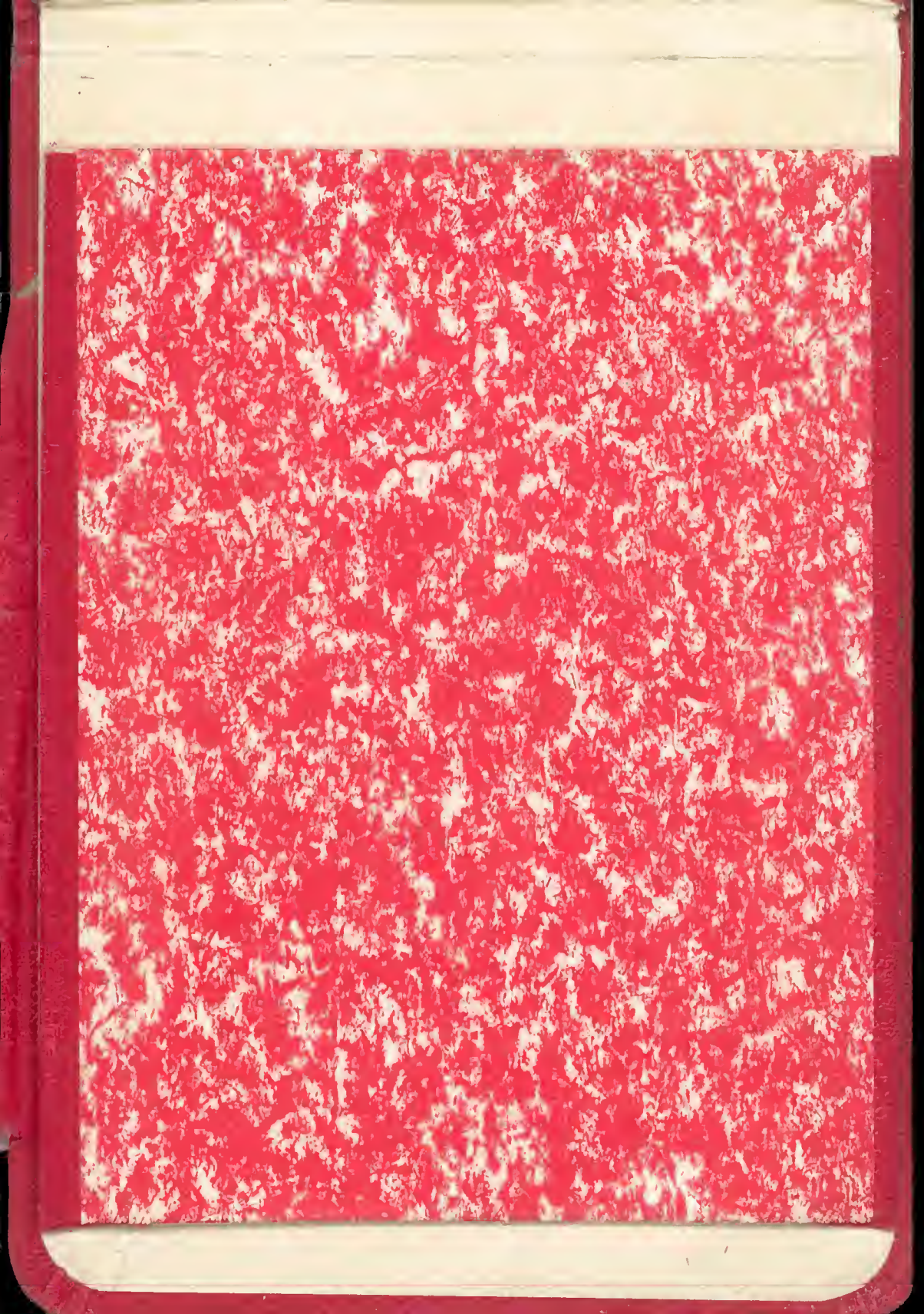
TO ANDRE

T-66 Felsic
chickadee.

WILSON ROCK.

1/1





0071